INCREASE PRODUCTION OF SORGHUM SIRUP TO RELIEVE SUGAR SHORTAGE



A Home or Community Sorghum Sirup Mill in Operation.

employed to carry the steam.

Other Equipment Needed.

sorghum is passed through the mill

with as little delay as possible. When

the weather is cool or there is danger

of frost, the sorghum may be cut con-

siderably in advance of pressing for

the mill is strained and then run into

the evaporating pan. As it passes

through the pan it quickly comes to a

surface. This should be constantly

Sirup should be evaporated to a

point where it contains not less than

70 per cent sollds; that is, has a

weight of not less than 1114 pounds to the gallon. If placed in containers

while boiling hot and properly scaled, in all keep had firliely.

scribes in detail the methods of manu facture, including the clarificat

the juice if such is desired, and the

The average yield of sirup an acre

is from 75 to 200 gallons, although in

some cases it has been as high as 400

gallons. The estimates on the yield of

seed an acre vary from 600 to 1,600

The United States department of

agriculture has prepared a brief summary of information regarding the

growing of sorghum, and the equip-

ment necessary to make sirup. A copy

of this circular may be had by addressing the department of agricul-

gard to the subject should ask the de-

partment for Farmer's Bulletin 477,

BEWARE TURKESTAN ALFALFA

mported Plant Is Decidedly Inferior

to Our Native Seed-Yield of

Hay Smaller.

Large quantities of alfalfa seed are

being imported from Turkestan. This

Turkestan alfalfa, according to the

United States department of agricul-

ture, is decidedly inferior to our na-

Nebraska. It is neither so hardy as

white in color and slightly wedge-

tact With Infected Animals

Is Chief Cause.

Careful study of tuberculosis has ir-

refutably developed the fact that di-

rect contact with infected animals is

Molasses Made Into Stiff Dough

Is Effective.

THE TEXT OF STREET

at out using it.

Sorghum Sirup Manufacture."

The department's publication de

and carefully removed.

As a simple, practical means of is used, the space so provided being helping relieve the acute sugar and sirup shortage, the United States department of agriculture recommends the increased production of sorghum sirup which, it is pointed out, requires neither unusual skill nor expensive equipment to make. Furthermore, the methods of growing sorghum are simflar to those of corn and in that respect involve little that is new to many farmers. Sirup manufacture is so simple that it can be carried on with profit by individuals utilizing small-sized outfits of a daily capacity of 100 gallons or less. Where operations on a larger scale are feasible, community plants having a daily casuggested by the department.

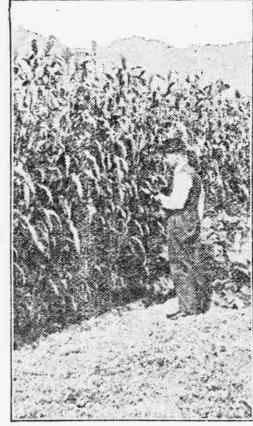
Sorghum strup is palatable and pleasant flavored, and is an excellent table sirup. It can also be used as a substitute for other sirups or for sugar in making certain breads, cakes, etc., and as a substitute for a part of the sugar used in making preserves and the like. The cost of producing it at home is relatively low and usually an individual manufacturing it can

ds to good advantage. Sorghum brought the producers from 90 ats to \$1.50 a gallon, depending on

Thus far the supply has fallen far short of the market demand.

Productive Source of Sirup.

The sorghum plant is similar in appearance to corn, growing about the same height and possessing about the same color. It may be grown throughout the United States in practically all regions where corn is grown, though parts of the extreme northern tier of states have a growing season usually too short for sweet sorghum



Patch of Sweet Sorghum (Early Amber) Nearly Ready to Be Harvested.

to mature. In growing sorghum for sirup care should be taken to secure seeds of a sweet sorghum variety, and for planting in the North, one which matures quickly.

and is planted in rows about three and HOW TUBERCULOSIS SPREADS Sweet sorghum is grown from seed one-half feet apart. The plants should stand from four to six inches apart in | Irrefutably Developed That Direct Conthe row. Approximately from five to eight pounds of seed is needed to the acre. Ordinarily planting time falls soon after corn planting, when the soil has become thoroughly warm. The stalks of the plants are ready for sirup making when the seeds which the chief way in which tuberculosis is form heads at the top of the stalk spread throughout the dairy stables on are in the late dough stage; that is, American farms, The common drinkjust before they become dry and hard, ing trough is responsible for the har-

Necessary Machinery.

strup consists of a mill for extracting um or discharges from diseased anithe Juice from the cane and an evap- mals serve also to transmit the disease. lots which were kept undisturbed unorator for reducing the juice to sirup. The mill centains three iron rollers between which the sorghum stalks are passed to press out the juice. It may be operated by a gasoline engine or by a sweep drawn by horses.

The usual type of evaporator consists of a rectangular, flat-bottomed pan of galvanized iron or copper. Evaporation may be produced by direct contact with fire or with steam. In the former case the pan is mounted on a specially constructed firebox. If steam evaporation is employed the pan is provided with steam coils which lie on the bottom of the pan. In some cases a double-bottomed pan

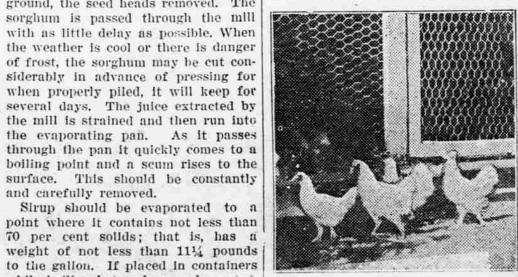
MITES ARE MOST INJURIOUS

Little Insects Suck Blood of Hen and Seriously Affect Her Ability to Lay Eggs.

If the best results are to be expected from the poultry flock, the buildings must not be allowed to become overrun with mites. Mites are more troublesome and more harmful than lice. They do not live upon the birds like the lice, but during the day hide in the cracks and crevices of the roosts and walls of the house, and at night they come out and get upon the fowls. They suck the hen's blood, and if allowed to become plentiful-as they certainly will if not destroyed-will seriously affect her health and consequently her ability to lay eggs.

Mites may be eradicated by a few thorough applications of kerosene or some of the coal-tar products which are sold for this purpose, or crude petroleum, to the interior of the poul-

Other articles needed are barrels or The commercial coal-tar products tubs for catching the juice, pipes for are more expensive but retain their conducting it to the pan, skimmers for killing power longer, and they may be removing the scum, apparatus for testcheapened by reducing with an equal ing the sirup consistency and barrels part of kerosene. Crude petroleum or cans for holding the finished prodwill spray better if thinned with one part of kerosene to four parts of the In making a sirup the blades of the crude oil, according to poultry speplants are stripped off, the sorghum | cialists of the United States departcut at about six inches from the ment of agriculture. Both the crude ground, the seed heads removed. The



should be strained before attempting utilization of by-products. The latter to spray. One must be sure that the include the blades of the plants which spray reaches all of the cracks and make excellent feed for cattle, the crevices, giving especial attention to bagasse (the stalk from which the the roosts, dropping-boards, and nests, juice has been removed), the scum and the treatment should be repeated which may be fed to hogs in small two or three times at intervals of a quantities, and seed heads which also week or 10 days.

GUINEA FOWLS ARE FAVORED

Hardiest of All Domestic Poultry and Great Hustlers-They Keep Away Marauders.

There is no good reason why more farm. They are just about the hardiest of all domestic fowls, and perhaps also the greatest hustlers, yet jury of the garden or lawn. While quite domestic in their habits if treatsiring more detailed information in reed gently, their wild nature leads them to remote parts of the homestead. where they pick up a large part of their living that would be overlooked by any other kind of fowl.

On farms infested with hawks, guineas are very valuable, their vigorous protests against every approach of the foe actually frighten them away. And no strange cat or dog can come on the place without their emphatic protest.

GOOD SHELTER FOR TURKEYS Plain, Substantial House of Shed-Roof tive alfalfa as grown in Kansas and

Type, Dry and Ventilated Is Recommended.

our native alfalfa, nor does it yield as much hay. Turkestan alfalfa seed A plain, substantial house of the may be recognized by the fact that it shed-roof type, dry, amply lighted and almost invariably contains Russian well ventilated, is the better way for knap-weed seed. These seeds are slightly larger than alfalfa, chalky

previding shelter for turkeys. Such a house simplifies the keeping of turkeys, and has many commendable features, for the successful turkey farmers, besides making easy the care and attention necessary at certain seasons of the year.

TURNING EGGS FOR HATCHING

Not Necessary, According to Professor Kaupp, Expert of North Carolina Station.

Turning eggs while saving them for hatching, although generally recommended and practiced by poultry keepers, is believed to be unnecessary. horing and spread of the disease, while | Rather thorough tests conducted by contaminated hay, straw and feed Prof. B. F. Kaupp of North Carolina The machinery necessary for making which have been corrupted with sput- station show no gain in batch ability of eggs turned every day over similar til placed in the incubator.

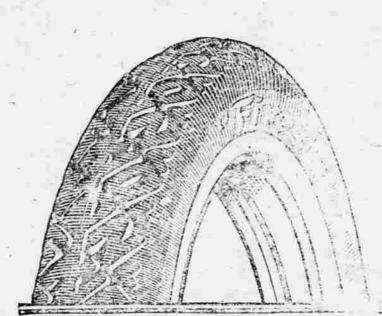
POISON BAIT FOR CUTWORMS FOWLS GET LAZY IN SUMMER

Bran or Cornmeal, Paris Green and Some Hens Are So Inactive That They Do Not Earn Their Feed During Hot Weather,

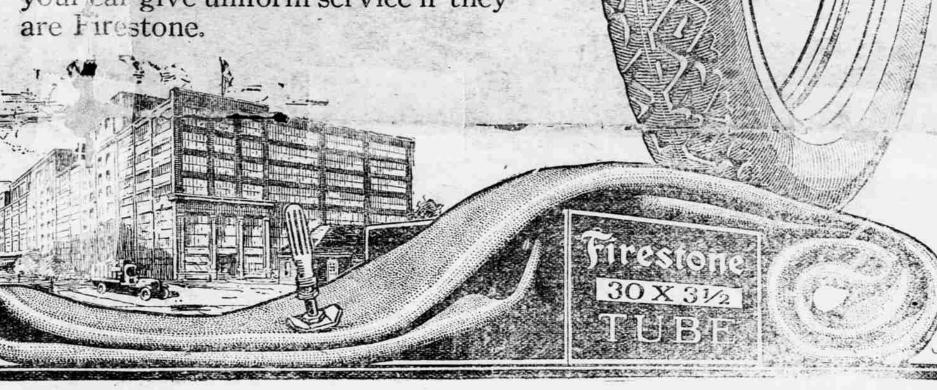
When cutworms are bad in the corn-As a rule hens do not show great field make poison bait by mixing 50 activity during hot weather, but there pounds of bran or cornmeal, two pounds are some which become so lazy that of parls green and two quarts of cheap they are not worth their feeding. Those molasses to make a stiff dough. Add a are the hens that cut down their egg little water if needed to moisten. Scatyield. Hot weather is worse for hens ter this along the corn rows. This polthan cold weather, for during the son will kill birds, too; so be careful her will busy herself to keep warm. Sold winter months a hen with any life in

Sale of this tire have increased 96% the first six months of this year, proving the balanced cire, the Firestone 3½ has accomplished what Firestone sought for it, more mileage, greater economy, greater comfort, which has been passed on to the public at low cost-most miles per dollar.

Balanced! That means to you more than mere thickness of tread, greater air capacity, more plies of fabric, greater cushioning, or the gauge of the sidewall. It means that all component parts of the Firestone 31/2 are scientifically balanced by specialists who have put years of study and practice into a single purpose-to meet your demand in a small car tire. You can now have all four tires on your car give uniform service if they are Firestone.







Now Pays Big Profits

GOOD spreader more than paid its A way when corn was 50c and wheat \$1.00 a bushel. Now it pays big profits. Corn belt farmers, using Low Cloverleaf spreaders, harvest as much as 32 bushels more of corn off properly-manured acres than off those not treated with the spreader. Without adding another acre, another man, or another horse power, a Low Cloverleaf manure spreader increases the yield from every farm on which it is properly used. The Low Cloverleaf Manure Spreader

The Low Cloverleaf is a wide spreading, easy running, light draft, narrow box spreader, made in three handy sizes - small, medium and large. The wide spreading device catches the manure as it comes from the beater, breaks it up in still finer particles, and throws it out beyond the wheel tracks in a wide, even spread. This is the kind of fertilizing recommended by all authorities.

The entire load is spread in 3 to 7 minutes. The machine runs easily and lasts a long time because the working patts are all securely fastened to a sturdy steel frame which keeps them all in place and in line. The Low Cloverleaf spreader does the work as it

should be done and begins to pay for itself at once. Place your order now.



KIMMEL, Greenville

Interesting Experience of a Texas Lady Who Declares That if More Women Know About Cardui They Would Be Spared Much Sickness and Worry.

Navasota, Texas.—Mrs. W. M. Peden, I couldn't rest well at night and was . . . of this place, relates the following interest- just lifeless. ing account of how she recovered her actually losing her health:

"Health is the greatest thing in the and began it. . . world, and when you feel that gradually very nervous, run-down condition of health. I was so thed and felt so lifeless house work. I could hardly go at all.

feel so weak I would have to set it down before I felt like I could lift it to the shelf. In this condition, of course, to do even my housework was a task almost impossible to accomplish.

"I was . . . nervous and easily upset.

"I heard of Cardui and after reading I strength, having realized that she was decided I had some female trouble that was pulling me down. I sent for Cardui

"In a very short while after I began the slipping away from you, you certainly sit Cardui Home Treatment I saw an imup and take notice. That is what I did provement and it wasn't long until I was some time ago when I found myself in a all right-good appetite, spiendid rest,

"Later I took a bottle of Cardui as a "I was just no account for work. I tonic. I can recommend Cardui and glad-would get a bucket of water and would by do so, for if more women knew, it would save a great deal of worry and

The enthusiastic praise of thousands of other women who have found Cardui helpful should convince you that it is worth trying. All druggists sell it.

